

SYLLABUS PART I  
EDISON STATE COMMUNITY COLLEGE  
MED 233S MEDICAL INSURANCE AND CODING I  
3 CREDIT HOURS

**COURSE DESCRIPTION**

Study of the purpose and use of the ICD-10-CM classification system. Topics include coding conventions, coding principles, and CMS official coding guidelines (outpatient). Students will be required to assign ICD-10-CM and CPT-4 codes to diagnosis/procedure statements, case abstracts, and patient records. Use of the ICD-10-CM and CPT-4 coding manuals and a computerized encoder is incorporated; outpatient and physician office reimbursement systems are discussed. An introduction to HCPC-Level II coding will also be discussed. Students will complete CMS-1500 claims for the outpatient and physician office. Prerequisite: ALH 151S. Prerequisite or co-requisite: BIO 124S. Lab fee.

**COURSE GOALS**

The student will:

Bloom's Level		Program Outcomes
3	1. Apply symbols, punctuation, and abbreviations unique to ICD-10-CM and ICD-10-PCS, and incorporate clinical vocabularies and data dictionaries used in health information systems.	3,4
2	2. Consult medical references, medical dictionaries, professional journals, and official coding references.	1, 3, 4
3	3. Interpret health care data and apply outpatient coding guidelines to code and sequence diagnosis and procedures using diagnosis/procedure statements, case studies, and patient records.	1, 4, 6
3	4. Apply data set (e.g., UHDDS) definitions to select the first-listed and principal diagnosis, complications and comorbidities, secondary diagnoses, and procedures.	4, 5
3	5. Define and assign DRGs and define major diagnostic categories (MDCs), principal diagnosis, complication, and comorbidity.	1, 4, 6
3	6. Submit accurate claims to third-party payers.	1, 2, 3, 4
3	7. Use practice management and/or health information management software.	1, 2, 3, 4
3	8. Assign diagnostic and procedural codes according to ICD-10-CM and CPT.	1, 2, 3, 4
2	9. Understand the HCPCS-Level II coding system for DME billing at an introductory level.	1, 4

**CORE VALUES**

The Core Values are a set of principles that guide in creating its educational programs and environments at Edison State Community College. They include communication, ethics, critical thinking, human diversity, inquiry/respect for learning, and interpersonal skills/teamwork. The goals, objectives, and activities in this course will introduce/reinforce those Core Values whenever appropriate.

**TOPIC OUTLINE**

1. Basic Medical Office Software
2. Patient Billing Procedures Using Manual and Automated Systems
3. Electronic Claims Submission
4. ICD and CPT Coding Procedures
5. ICD and CPT Rules and Regulations
6. Insurance Claims Processing
7. Certification Opportunities